

PTO/SB/05 (08-00)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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| | | |
|------------------------|--|-----------------------|
| Attorney Docket No. | | ZG162US |
| First Inventor | | Simon Robert Walmsley |
| Title | Print Engine/Controller with Half-Toner/Compositor | |
| Express Mail Label No. | | |

(Only for new nonprovisional applications under 37 CFR 1.53(b))

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ **Fee Transmittal Form (e.g., PTO/SB/17)**
(Submit an original and a duplicate for fee processing)

2. ☐ **Applicant claims small entity status.**
See 37 CFR 1.27.

3. ☒ **Specification** [Total Pages **33**]
(preferred arrangement set forth below)

 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure

4. ☒ **Drawing(s) (35 U.S.C. 113)** [Total Sheets **12**]

5. **Oath or Declaration** [Total Pages **3**]

a. ☒ **Newly executed (original or copy)**

b. ☐ **Copy from a prior application (37 CFR 1.63 (d))**
(for continuation/divisional with Box 17 completed)

i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

6. ☐ **Application Data Sheet. See 37 CFR 1.76**

7. ☐ **CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)**

8. **Nucleotide and/or Amino Acid Sequence Submission**
(if applicable, all necessary)

a. ☐ **Computer Readable Form (CRF)**

b. **Specification Sequence Listing on:**

i. ☐ **CD-ROM or CD-R (2 copies); or**

ii. ☐ **paper**

c. ☐ **Statements verifying identity of above copies**

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: 09 / 607,985
 or application information: Examiner _____ Group / Art Unit: 2711


For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label **24011** or ☐ Correspondence address below

24011
(Insert Customer No. or Attach bar code label here)

| | | | | | |
|----------------|----------------------------|------------------|------------------------|-----------------|------------------------|
| <i>Name</i> | KIA SILVERBROOK | | | | |
| <i>Address</i> | 393 Darling Street, | | | | |
| <i>City</i> | Balmain | <i>State</i> | NSW | <i>Zip Code</i> | 2041 |
| <i>Country</i> | Australia | <i>Telephone</i> | +61-2-9818-6633 | <i>Fax</i> | +61-2-9555-7762 |

| | | | |
|-------------------|---|-----------------------------------|-----------------------|
| Name (Print/Type) | SIMON ROBERT WALMSLEY AND PAUL LAPSTYN | Registration No. (Attorney/Agent) | |
| Signature |  | | Date Oct ber 14, 2003 |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.



16938 U.S. PTO

PTO/SB/17 (01-03)

Approved for use through 04/30/2003. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 850.00)

Complete if Known

| | |
|----------------------|-----------------------|
| Application Number | |
| Filing Date | |
| First Named Inventor | Simon Robert Walmsley |
| Examiner Name | |
| Art Unit | |
| Attorney Docket No. | ZG162US |

METHOD OF PAYMENT (check all that apply)☐ Check ☒ Credit card ☐ Money Order ☐ Other ☐ None☐ Deposit Account:Deposit Account Number
Deposit Account Name

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments☐ Charge any additional fee(s) during the pendency of this application☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.**FEE CALCULATION****1. BASIC FILING FEE**

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|------------------------|-------------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1001 | 750 | 2001 | 375 | Utility filing fee | 770 |
| 1002 | 330 | 2002 | 165 | Design filing fee | |
| 1003 | 520 | 2003 | 260 | Plant filing fee | |
| 1004 | 750 | 2004 | 375 | Reissue filing fee | |
| 1005 | 160 | 2005 | 80 | Provisional filing fee | |
| SUBTOTAL (1) | | | | | (\$ 770.00) |

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| | | | | | |
|---------------------------|----|--------------|--|----------------|----------|
| Total Claims | 19 | Extra Claims | | Fee from below | Fee Paid |
| Independent Claims | 1 | -20** = | | X | = 0 |
| Multiple Dependent Claims | | -3** = | | X | = 0 |

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|--|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1202 | 18 | 2202 | 9 | Claims in excess of 20 | |
| 1201 | 84 | 2201 | 42 | Independent claims in excess of 3 | |
| 1203 | 280 | 2203 | 140 | Multiple dependent claim, if not paid | |
| 1204 | 84 | 2204 | 42 | ** Reissue independent claims over original patent | |
| 1205 | 18 | 2205 | 9 | ** Reissue claims in excess of 20 and over original patent | |
| SUBTOTAL (2) | | | | | (\$ 0) |

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|--|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1051 | 130 | 2051 | 65 | Surcharge - late filing fee or oath | |
| 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet | |
| 1053 | 130 | 1053 | 130 | Non-English specification | |
| 1812 | 2,520 | 1812 | 2,520 | For filing a request for <i>ex parte</i> reexamination | |
| 1804 | 920* | 1804 | 920* | Requesting publication of SIR prior to Examiner action | |
| 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action | |
| 1251 | 110 | 2251 | 55 | Extension for reply within first month | |
| 1252 | 410 | 2252 | 205 | Extension for reply within second month | |
| 1253 | 930 | 2253 | 465 | Extension for reply within third month | |
| 1254 | 1,450 | 2254 | 725 | Extension for reply within fourth month | |
| 1255 | 1,970 | 2255 | 985 | Extension for reply within fifth month | |
| 1401 | 320 | 2401 | 160 | Notice of Appeal | |
| 1402 | 320 | 2402 | 160 | Filing a brief in support of an appeal | |
| 1403 | 280 | 2403 | 140 | Request for oral hearing | |
| 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding | |
| 1452 | 110 | 2452 | 55 | Petition to revive - unavoidable | |
| 1453 | 1,300 | 2453 | 650 | Petition to revive - unintentional | |
| 1501 | 1,300 | 2501 | 650 | Utility issue fee (or reissue) | |
| 1502 | 470 | 2502 | 235 | Design issue fee | |
| 1503 | 630 | 2503 | 315 | Plant issue fee | |
| 1460 | 130 | 1460 | 130 | Petitions to the Commissioner | |
| 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(q) | |
| 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt | |
| 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) | 80.00 |
| 1809 | 750 | 2809 | 375 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 1810 | 750 | 2810 | 375 | For each additional invention to be examined (37 CFR 1.129(b)) | |
| 1801 | 750 | 2801 | 375 | Request for Continued Examination (RCE) | |
| 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application | |

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 80.00)

SUBMITTED BY

Name (Print/Type) Simon Robert Walmsley and Paul Lapstun

Registration No.
(Attorney/Agent)

(Complete if applicable)

Telephone +61298186633

Signature

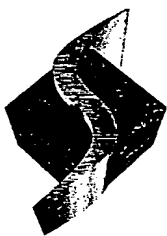
Date

October 14, 2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



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November 13, 2003

Commissioner of Patents and Trademarks
Washington DC 20231
USA

COPY

Dear Sir

23 New United States Patent Applications
Assignee: Silverbrook Research Pty Ltd

This letter accompanies 23 new patent applications.

One bank draft for the total amount of US\$18,870 is enclosed to cover filing and assignment fees for each of the 23 applications. Also attached is a list giving details of each application.

We look forward to receiving filing receipts in due course.

If you need to contact us in relation to the applications, please email my assistant, Leonie News at leonie.news@silverbrookresearch.com or by fax to +61 2 9555 7762.

Yours faithfully

Kia Silverbrook
Silverbrook Research Pty Ltd
kia.Silverbrook@silverbrookresearch.com

| 1 | DOCKET NO | TITLE | INVENTORS | AMOUNT US\$ |
|----|--------------|--|-------------------------------|----------------|
| 1 | BAL68 | An Apparatus for Feeding Sheets of Media from a Stack | David William Jensen | \$810.00 |
| 2 | BAL69 | A Method of Feeding Sheets of Media from a Stack | David William Jensen | \$810.00 |
| 3 | ZG003 | An Inkjet Pagewidth Printer for High Volume Pagewidth Printing | Kia Silverbrook | \$810.00 |
| 4 | ZG193 | Thermoelastic Inkjet Actuator with Heat Conductive Pathways | Kia Silverbrook | \$810.00 |
| 5 | ZF135 | Printer and Printhead with Active Debris Prevention | Kia Silverbrook | \$810.00 |
| 6 | ZG146 | Manually Aligned Printhead Modules | Kia Silverbrook | \$810.00 |
| 7 | ZG147 | Manually Aligned Printhead Modules | Kia Silverbrook | \$810.00 |
| 8 | ZG162 | Print Engine/Controller with Half-Toner/Compositor | Simon Walmsley & Paul Lapstun | \$850.00 |
| 9 | ZG163 | Print Enginer/Controller with Printhead Interface | Simon Walmsley & Paul Lapstun | \$850.00 |
| 10 | ZG164 | Print Enginer with Pipeline Decoding | Simon Walmsley & Paul Lapstun | \$850.00 |
| 11 | ZG165 | Print Engine/Controller Chip with CPU | Simon Walmsley & Paul Lapstun | \$850.00 |
| 12 | ZG166 | Printer with Synchronized Engine/Controller | Simon Walmsley & Paul Lapstun | \$850.00 |
| 13 | ZG167 | Inkdrop Printer with Multi-Segment Printhead | Simon Walmsley & Paul Lapstun | \$850.00 |
| 14 | ZG015 | A Fluid Ejection Device that Incorporates Covering Formations for Actuators of the Fluid Election Device | Kia Silverbrook | \$810.00 |
| 15 | ZF199 | A Micro-Electromechanical Device Having a Laminated Thermal Bend Actuator | Kia Silverbrook | \$810.00 |
| 16 | ZF196 | A Micro-Electromechanical Liquid Ejection Device | Kia Silverbrook | \$810.00 |
| 17 | ZG148 | A Pagewidth Printhead Assembly | Kia Silverbrook | \$810.00 |
| 18 | ZG149 | Printhead Assembly with Core and Shell | Kia Silverbrook | \$810.00 |
| 19 | ZG175 | Core for Pagewidth Printhead | Kia Silverbrook | \$810.00 |
| 20 | ZG178 | Supporting Structure for a Pagewidth Printhead | Kia Silverbrook | \$810.00 |
| 21 | ZG177 | Supporting Structure with Alternating Segments | Kia Silverbrook | \$810.00 |
| 22 | ZG017 | A Method of Fabricating an Ink | Kia Silverbrook | \$810.00 |
| 23 | ZG004 | A Print Engine Controller for High Volume Pagewidth Printing | Kia Silverbrook | \$810.00 |
| 24 | | | | |
| 25 | | | | \$18,870.00 |